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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OFFICIAL

In re Application of:

Nigel Griffin, et al.

Serial No.: 10/604,210

Filed: July 1, 2003

For: High Volume Density Polycrystalline Diamond
With Working Surfaces Depleted of Catalyzing
Material

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Art Unit No.: 1775

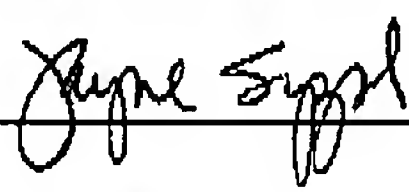
Examiner: Turner

Docket No.: 78.1081-1.4

June 7, 2004

Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

CERTIFICATE OF MAILING 37 C.F.R. 1.10	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313- 1450, or sent via facsimile on the date indicated below.	
6/7/04 Date	 Signature

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the references listed on the attached Form PTO/SB/08A be considered by the Examiner and made of record. This is a continuation of US Patent Application Serial No. 10/065,363, filed October 9, 2002, which is a divisional of US Patent Application Serial No. 09/682,419, filed August 30, 2001. Copies of the patents in this Information Disclosure Statement are included in the latter case file.

In accordance with 37 C.F.R. § 1.97(g), this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined 37 C.F.R. § 1.56(b) exists. Furthermore, pursuant to 37 C.F.R. § 1.97(h), the filing of this statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is filed in accordance with 37 C.F.R. 1.97 (b). The Commissioner is hereby authorized to charge the \$180 fee under 37 CFR 1.17(p), and any additional fees that may be required at any time during the prosecution of this application without specific authorization, or credit any overpayment, to Deposit Account No. 180584. If there are any questions concerning the above, please contact the undersigned at (832) 681-8623.

Respectfully submitted,



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PTO/SB/08A (08-00)

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PAGE 6/11 * RCVD AT 6/7/2004 10:27:50 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:USPTO * DURATION (mm-ss):00-00

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Substitute for form 1449A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/604,210
				Filing Date	7/1/2003
				First Named Inventor	Griffin et al
				Group Art Unit	1775
				Examiner Name	Turner
Sheet	2	of	6	Attorney Docket Number	76.1061-1.4

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,560,014		Geczy	12/24/1985	
		4,570,726		Hall	02/18/1986	
		4,572,722		Dyer	02/25/1986	
		4,605,343		Hibbs Jr et al	08/12/1986	
		4,606,736		Hayden	08/19/1986	
		4,821,031		Scruggs	11/04/1986	
		4,636,253		Nakai et al	01/13/1987	
		4,645,977		Kurokawa et al	02/24/1987	
		4,662,348		Hall et al	05/05/1987	
		4,664,705		Horton et al	06/12/1987	
		4,670,025		Pipkin	06/02/1987	
		4,707,384		Schachner et al	11/17/1987	
		4,726,718		Meskin et al	02/23/1988	
		4,766,040		Hillert et al	08/23/1988	
		4,776,861		Frushour	10/11/1988	
		4,792,001		Zijssling	12/20/1988	
		4,793,828		Bumand	12/27/1988	
		4,797,241		Peterson et al	01/10/1989	
		4,802,539		Hall et al	02/07/1989	
		4,807,402		Rai	02/28/1989	

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ts
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1448A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/604,210
				Filing Date	7/1/2003
				First Named Inventor	Griffin et al
				Group Art Unit	1775
				Examiner Name	Tumer
				Attorney Docket Number	78.1081-1.4
Sheet	3	of	6		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appar
		Number	Kind Code‡ (if known)			
		4,828,582		Frushour	05/08/1989	
		4,861,350		Phaal et al	08/29/1989	
		4,871,377		Frushour	10/03/1989	
		4,899,922		Slutz et al	02/13/1990	
		4,919,220		Fuller et al	04/24/1990	
		4,940,180		Martell	07/10/1990	
		4,943,488		Sung et al	07/24/1990	
		4,944,772		Cho	07/31/1990	
		4,976,324		Tibbitts	12/11/1990	
		5,027,912		Juergens	07/02/1991	
		5,030,276		Sung e al	07/09/1991	
		5,092,687		Hall	03/03/1992	
		5,116,568		Sung et al	05/26/1992	
		5,127,923		Bunting et al	07/07/1992	
		5,135,061		Newton Jr	08/04/1992	
		5,176,720		Martell et al	01/05/1993	
		5,186,725		Martell et al	02/16/1993	
		5,199,832		Meskin et al	04/06/1993	
		5,205,684		Meskin et al	04/27/1993	
		5,213,248		Horton et al	05/25/1993	

[illegible]

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		Number	Kind Code ² (if known)			
		6,238,074		Tibbitts	08/24/1993	
		5,264,283		Waldenstrom	11/23/1993	
		5,337,844		Tibbitts	08/18/1994	
		5,379,853		Lockwood	01/10/1995	
		5,439,492		Anthony et al	08/08/1995	
		5,464,068		Najafi-Sani	11/07/1995	
		5,466,288		Tank et al	11/21/1995	
		5,498,838		Waldenstrom	03/05/1996	
		5,505,748		Tank et al	04/09/1996	
		5,510,193		Cerutti et al	04/23/1996	
		5,523,121		Anthony et al	06/04/1996	
		5,524,719		Dennis	06/11/1996	
		5,580,716		Tank et al	10/01/1996	
		5,807,024		Kelth et al	03/04/1997	
		5,620,382		Cho et al	04/15/1997	
		5,624,068		Waldenstrom et al	04/29/1997	
		5,867,028		Truax et al	09/18/1997	
		5,718,948		Ederyd et al	02/17/1998	
		5,722,499		Nguyen et al	03/03/1998	
		5,776,615		Wong et al	07/07/1998	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		EP	0300699	A2	Smith International Inc.	01/25/1989		
		EP	0329954	B1	General Electric Company	08/18/1993		
		EP	0500253	B1	Sumitomo Electric	11/12/1997		
		EP	0595630	B1	CSIR	01/07/1998		
		EP	0595631	B1	CSIR	04/09/1997		
		EP	0612868	B1	Sumitomo Electric	07/22/1998		
		EP	0617207	A3	DeBeers Industrial	09/28/1994		
		EP	0787820	A2	Saint-Gobain/Norton	08/06/1997		
		EP	0860515	A1	DeBeers Industrial	08/26/1998		
		UK	2048927	A	DeBeers Industrial	12/17/1980		

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		Number	Kind Code ² (if known)			
		5,954,147		Overstreet	09/21/1999	
		5,979,578		Packer	11/09/1999	
		6,009,983		Cheves et al	01/04/2000	
		6,126,741		Jones et al	10/03/2000	
		6,248,447	B1	Griffin et al	06/19/2001	
		6,269,894	B1	Griffin et al	08/07/2001	
		6,344,149		Olson	02/2002	
		6,063,333		Dennis	05/2002	
		5,897,842		Karner et al.	04/1999	
		5,833,021		Mensa-Wilmot et al.	11/1998	
		5,370,195		Kachavan et al.	12/1994	
		5,011,514		Cho et al.	04/1991	
		6,123,612		Goers	09/2000	
		4,604,106		Hall et al.	08/1986	
		6,269,894		Griffin	08/2002	

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Examiner Signature		Date Considered	
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